

In the Claims

Applicants have submitted a new complete claim set showing marked up claims with insertions indicated by underlining and deletions indicated by strikeouts and/or double bracketing.

Please amend pending claims 1-6 and 8 as noted below.

1. (Currently amended) An optical proximity spatial transmission system for transmitting information data optically through a local space, the system comprising:

a first communication device having at least one of a first light emitter and/or a first photodetector installed thereon;

a second communication device having installed thereon at least one of a second photodetector which detects light from the first light emitter of the first communication device and/or a second light emitter which emits light toward the first photodetector of the first communication device; and

an anti-scattering lens disposed either behind the first or second light emitter and/or in front of the first or second photodetector of the first communication device and/or second communication device; and wherein

the first communication device being rotatable around the an axis thereof aligned with the an optical axis of at least one of light outgoing from the first light emitter and/or light incident upon the first photodetector while the second communication device with the photodetector and/or light emitter is fixed on the optical axis.

2. (Currently amended) The optical proximity spatial transmission system as set forth in claim 1, wherein the a spot diameter[[,]] of light emitted from one of the first or second light emitter toward one of the first or second photodetector[[,]] at the one of the first or second light emitter is larger than the an oscillation in the a direction of an off-

axis deviation caused by the rotation.

3. (Currently amended) The optical proximity spatial transmission system as set forth in claim 1, wherein the a spot diameter[[],] of light emitted from one of the first or second light emitter toward one of the first or second photodetector[[],] at the one of the first or second light emitter is larger than that at the one of the first or second photodetector.

4. (Currently amended) The optical proximity spatial transmission system as set forth in claim 1, wherein the information data is transmitted in a base band domain.

5. (Currently amended) The optical proximity spatial transmission system as set forth in claim 1, wherein the a transfer rate of the information data is 200 Mbps or more.

6. (Currently amended) The optical proximity spatial transmission system as set forth in claim 1, wherein at least one of the first or second light emitter is a laser diode.

7. (Original) The optical proximity spatial transmission system as set forth in claim 1, wherein the first communication device is a rotating-side circuit board installed on a rotating drum of a rotating drum head unit while the second communication device is a stationary-side circuit board connected to a stationary drum of the rotating drum head unit.

8. (Currently amended) The optical proximity spatial transmission system as set forth in claim 7 [[1]], wherein:

at least one of the first light emitter and/or first photodetector on the rotating-side circuit board is connected to at least one of the second photodetector and/or second light emitter on the stationary-side circuit board by an optical fiber; and

an anti-scattering lens is provided between the optical fiber and at least one of the first or second light emitter and/or first or second photodetector ~~on the rotating or stationary-side circuit board and the optical fiber.~~

9. (Original) The optical proximity spatial transmission system as set forth in claim 7, wherein optical spatial transmission is done in a space for rotation bearing of the rotating drum, formed in the rotating and stationary drums of the rotating drum head unit.